




Soil Data Mart

- Donde los usuarios pueden obtener la información de suelos oficial más actualizada, para cada uno de los catastros de suelos del área de interés:
 - Datos e información en formato digital, u
 - Originar una variedad de informes.

Search

Caribbean Area 

Enter Keywords

GO

Quick Access

- ▶ Electronic Government
- ▶ Employment
- ▶ Employee Directory
- ▶ Farm Bill
- ▶ Legislative
- ▶ Photo Gallery
- ▶ Publications
- ▶ Site Map
- ▶ Earth Team
- ▶ Volunteers

▶ Find a Service Center

Welcome to the NRCS Caribbean
Virgin Islands Web Page.

Conservation Program Signup Opens Early for 2007

Signup for conservation programs will open no later than November 2, 2006 and close by December 31, 2006 this year. The signups will be held at the same time for the major NRCS conservation programs – Environmental Quality Incentives Program, Wetlands Reserve Program, Wildlife Habitat Incentives Program.

[...More Info](#)

New Watershed eligible for 2006 Conservation Security Program

NRCS announced that a new watershed in Puerto Rico has been selected to participate in the [Conservation Security Program \(CSP\)](#). The Southern Puerto Rico 8-Digit Hydrologic Unit Code (HUC) has an extension of 545,280 acres, which covers about 24% of the island of Puerto Rico.

[...More Info](#)

New FY 2006 Cooperative Conservation Partnership Initiative (CCPI)

[Up to \\$4 Million Available for Cooperative Conservation Partnership Initiative—Proposals Due March 7, 2006](#) at www.nrcs.usda.gov.

[...More Info](#)

En la dirección electrónica
del NRCS en el Área del
Caribe,
(www.pr.nrcs.usda.gov/) ,
selecciona la palabra
"Soils" (Suelos)

Information About:

- ▶ Soils
- ▶ Water
- ▶ Air
- ▶ Plants
- ▶ Animals

Information For:

- ▶ Communities
- ▶ Farmers and Ranchers
- ▶ Homeowners
- ▶ CB NRCS Employees
- ▶ Policy Makers
- ▶ Teachers and Students
- ▶ Volunteers

- [Historical Replica Humacao Soil Survey](#)
- [Historical Replica Lajas Valley Soil Survey](#)
- [Historical Replica Mayagüez Soil Survey](#)
- [Historical Replica Ponce Soil Survey](#)
- [Historical Replica San Juan Soil Survey](#)
- [United States Virgin Islands Soil Survey](#)

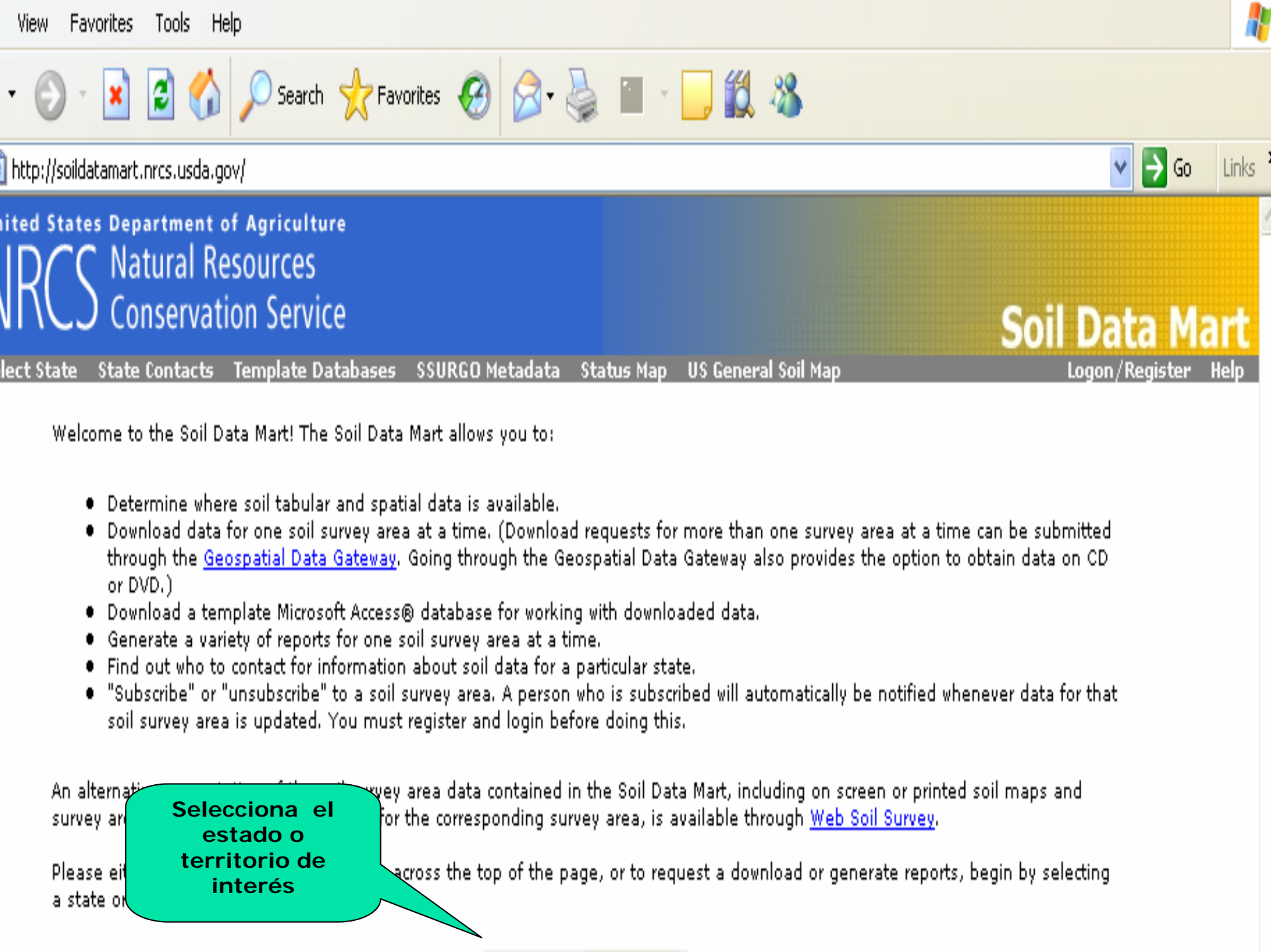
Caribbean Area Soils Data

- [Electronic Field Office Technical Guide \(eFOTG\)](#) - Technical guides and references for NRCS.
- [Soil Data Mart](#) - Where users can obtain the most current official soil information. Determine and download soil tabular and spatial data for one soil survey area at a time. Generate a variety of reports for one soil survey area at a time.
- [Official Soil Series Descriptions](#) (OSD) - Is a term applied to the description approved by the Natural Resources Conservation Service that defines a specific soil series in the United States.
- [Soil Lab Data](#) - This application allows users to generate, print and download reports containing soil characterization data stored and maintained by the NSSC Soil Survey Laboratory.
- [Web Soil Survey](#) - Access to soil survey information is provided through maps. All text and tables relate to the map symbols and the areas delineated on these maps.

Con la barra a tu mano derecha, muevete y selecciona "Soil Data Mart"

On-line Manuals/Handbooks

- [National Soil Survey Handbook](#) - Policy, definitions and procedures for conducting soil survey.
- [Soil Survey Manual](#) - Major principles and practices for soil surveys.



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http://soildatamart.nrcs.usda.gov/

United States Department of Agriculture
NRCS Natural Resources Conservation Service

Soil Data Mart

Select State State Contacts Template Databases SSURGO Metadata Status Map US General Soil Map Logon/Register Help

Welcome to the Soil Data Mart! The Soil Data Mart allows you to:

- Determine where soil tabular and spatial data is available.
- Download data for one soil survey area at a time. (Download requests for more than one survey area at a time can be submitted through the [Geospatial Data Gateway](#). Going through the Geospatial Data Gateway also provides the option to obtain data on CD or DVD.)
- Download a template Microsoft Access® database for working with downloaded data.
- Generate a variety of reports for one soil survey area at a time.
- Find out who to contact for information about soil data for a particular state.
- "Subscribe" or "unsubscribe" to a soil survey area. A person who is subscribed will automatically be notified whenever data for that soil survey area is updated. You must register and login before doing this.

An alternative way to view soil survey area data contained in the Soil Data Mart, including on screen or printed soil maps and survey area data for the corresponding survey area, is available through [Web Soil Survey](#).

Please either click on the links across the top of the page, or to request a download or generate reports, begin by selecting a state or territory.

Selecciona el estado o territorio de interés

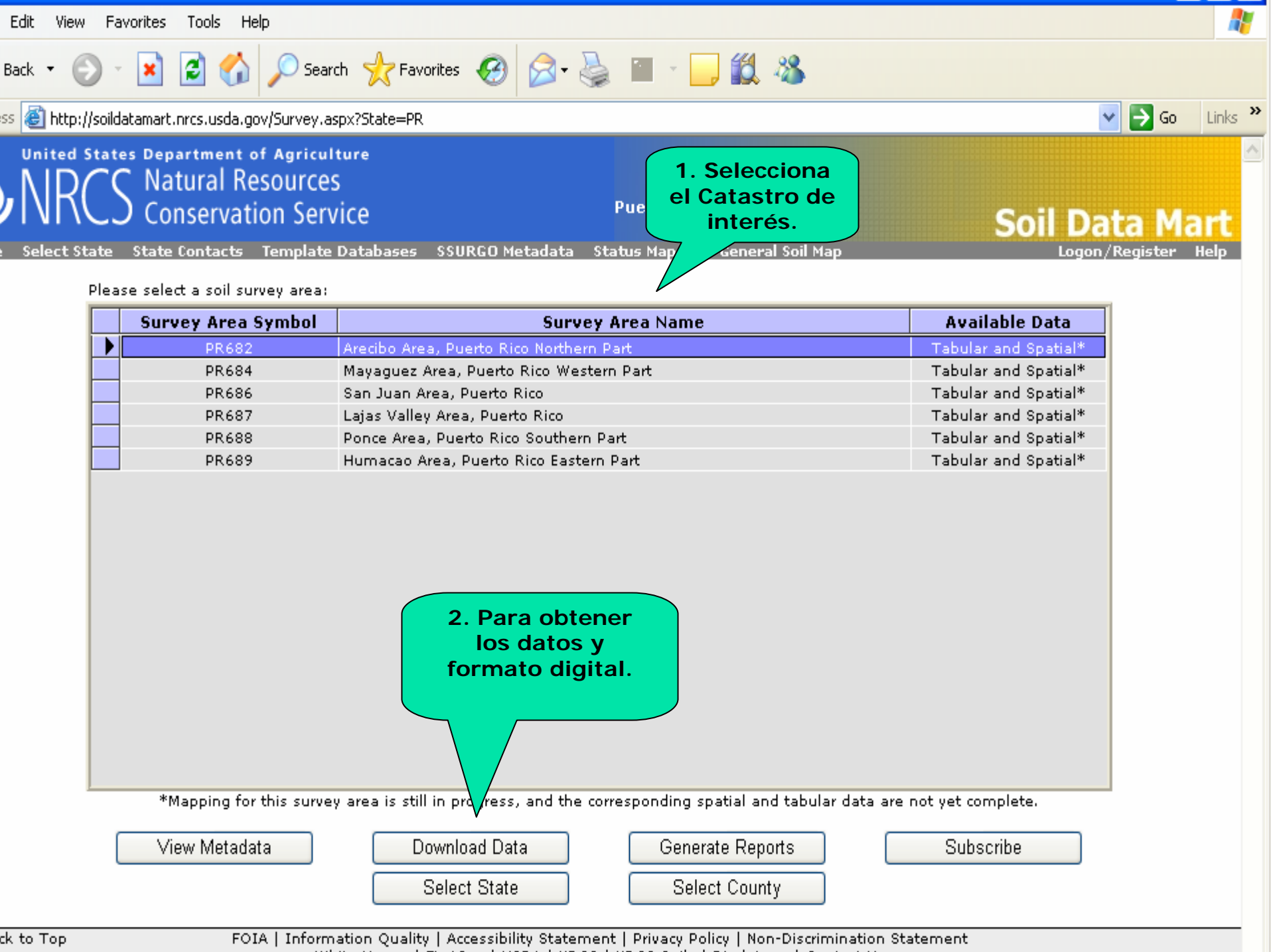
Please select a state or territory with at least one survey area:

State or Territory Code	State or Territory Name	Available Survey Areas
OR	Oregon	37
PA	Pennsylvania	61
RI	Rhode Island	1
SC	South Carolina	48
SD	South Dakota	66
TN	Tennessee	92
TX	Texas	232
UT	Utah	32
VT	Vermont	14
VA	Virginia	87
WA	Washington	43
WV	West Virginia	42
WI	Wisconsin	69
WY	Wyoming	34
PR	Puerto Rico	6
VI	Virgin Islands	1
AS	American Samoa	1
FM	Federated States of Micronesia	
GU	Guam	
MH	Marshall Islands	
MP	Northern Mariana Islands	
PW	Palau	1

1. Selecciona a
Puerto Rico2. Selecciona el Catastro o
Estudios de Suelos.

Select County

Select Survey Area



Please select a soil survey area:

	Survey Area Symbol	Survey Area Name	Available Data
▶	PR682	Arecibo Area, Puerto Rico Northern Part	Tabular and Spatial*
	PR684	Mayaguez Area, Puerto Rico Western Part	Tabular and Spatial*
	PR686	San Juan Area, Puerto Rico	Tabular and Spatial*
	PR687	Lajas Valley Area, Puerto Rico	Tabular and Spatial*
	PR688	Ponce Area, Puerto Rico Southern Part	Tabular and Spatial*
	PR689	Humacao Area, Puerto Rico Eastern Part	Tabular and Spatial*

*Mapping for this survey area is still in progress, and the corresponding spatial and tabular data are not yet complete.

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Select State

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Links

http://soildatamart.nrcs.usda.gov/Download.aspx?Survey=PR682&UseState=PR

United States Department of Agriculture
NRCS Natural Resources Conservation Service

Puerto Rico

Soil Data Mart

Select StateState ContactsTemplate DatabasesSSURGO MetadataStatus MapUS General Soil MapLogon/RegisterHelp

Please select the class of data you wish to download: (Survey Area Version 7 , Tabular Version 6 , Spatial Version 2)

☐ Tabular Data Only

☒ Tabular and Spatial Data

☐ Spatial Data Only

☐ Template Database Only

Please select a spatial format:

ArcView Shapefile

Please select a coordinate system:

UTM Zone 19, Northern Hemisphere (NAD 83)

Reset Default

Please select a template database (optional):

Clear Selection

	State	MS Access Version	Template DB Version	Template DB Name	Size
	US	Access 2002	33	soildb_US_2002	1.7M
	US	Access 2000	33	soildb_US_2000	1.7M
	US	Access 97	32	soildb_US_97	1.4M
	AK	Access 2002	32.15	soildb_AK_2002	2.5M

Description:

This is the national SSURGO Template Database for Microsoft Access 2002/2003. This database should be used only when no state specific customized SSURGO Template Database is available. This database is compatible with Soil Data Viewer 5.1.

Please enter your e-mail address:

carmen.santiago@pr.usda.gov

If the e-mail account entered above is protected by spam blocking software, you will need to authorize e-mail from SoilDataMart@nrcs.usda.gov in order to receive e-mail notification once you receive a download.

Submit Request

Select Survey Area

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Generate Reports

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White House | FirstGov | USDA | NRCS | NRCS Soils | Disclaimer | Contact Us

Trusted sites

startInbox - Microsoft Out...Microsoft PowerPoint ...Soil Data Mart - Down...9:53

1. Automáticamente, tendrás una selección escogida, o puedes modificarla.

2. Necesitas proveer la dirección electrónica donde desees recibir la información.

3. Somete tu petición.

Please select the class of data you wish to download: (Survey Area Version 7 , Tabular Version 6 , Spatial Version 2)

☐ Tabular Data Only ☒ Tabular and Spatial Data ☐ Spatial Data Only ☐ Template Database Only

Please select a spatial format:

ArcView Shapefile

Please select a coordinate system:

UTM Zone 19, Northern Hemisphere (NAD 83)

Reset Default

Please select a

State
US
US
US
AK

Description

Microsoft Internet Explorer



Your request has been logged and is currently number 15 in the queue. You will be notified via e-mail as soon as your request has finished being processed.

The time needed to process a download request varies based on which spatial format option was selected, if any, and whether or not a download for the survey area in question is already cached. The overall average time required to process a download request is 1.2 minutes. Therefore, to estimate your wait time, in minutes, multiply your initial queue position by 1.2. Please keep in mind that this is only an estimate. Please also remember that downloads are not processed from 10:00 PM to 6:00 AM, Mountain Time Zone.

OK

Please enter your e-mail address:

carmen.santiago@pr.usda.gov

If the e-mail account entered above is protected by spam blocking software, you will need to add SoilDataMart@nrcs.usda.gov in order to receive e-mail notification once your request has been processed.

Submit Request

See Disclaimer

Select Survey Area

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Recibirás un mensaje de que tu pedido ha sido procesado.

From: SoilDataMart@nrcs.usda.gov
Santiago, Carmen - San Juan, PR

Sent: Mon 1/22/2007 10:34 AM

Subject: Soil Data Mart export notification

The export file requested for carmen.santiago@pr.usda.gov is available at

http://soildatamart-export.sc.egov.usda.gov/export/e_441729/soil_pr682.zip

If hot links are not supported, cut and paste the URL into your browser's address line).

Export Zip File Size: 13654 KB

The export contains the following soil survey area (SSA) data:

A Symbol: PR682
A Name: Arecibo Area, Puerto Rico Northern Part
A Version: 7
A Version Est.: 12/26/2006 12:35:07 PM
Bular Data Version: 6
Bular Version Est.: 12/26/2006 12:35:07 PM
atial Data Version: 2
atial Version Est.: 2/15/2006 9:38:01 AM
atial Format: ArcView Shapefile
ordinate System: UTM Zone 19, Northern Hemisphere (NAD 83)

This export file will be removed from the FTP server 10 days after the date of this notice.

After the export file has been copied to your PC, it must be unzipped using either WinZip or some equivalent application. For additional information, please see the file named "readme.txt" in the root directory of the directory structure that was created by unzipping the original export file.

The export also contains the following MS Access SSURGO template database:

Template DB Name: soildb_US_2002.mdb
Template DB Version: 33
Template DB State: US
Access Version: Access 2002

Recibirás un correo electrónico, donde te indica donde puedes obtener la información solicitada.

Please select a soil survey area:

	Survey Area Symbol	Survey Area Name	Available Data
	PR682	Arecibo Area, Puerto Rico Northern Part	Tabular and Spatial*
	PR684	Mayaguez Area, Puerto Rico Western Part	Tabular and Spatial*
	PR686	San Juan Area, Puerto Rico	Tabular and Spatial*
	PR687	Lajas Valley Area, Puerto Rico	Tabular and Spatial*
	PR688	Ponce Area, Puerto Rico Southern Part	Tabular and Spatial*
	PR689	Humacao Area, Puerto Rico Eastern Part	Tabular and Spatial*

También puedes
solicitar informes.

*Mapping for this survey area is still in progress, and the corresponding spatial and tabular data are not yet complete.

View Metadata

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Generate Reports

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Select State

Select County

In order to view any report, popup blocking must be disabled. In order to view a report in PDF format (the default format), your browser must be configured to use a PDF viewer (such as Adobe® Reader® software).



[Commonly Used Soil Properties by Report \(11K\)](#)

This report lists some of the more commonly used soil properties, and the report(s) in which each soil property is displayed.

Please select the map units that you would like to report on:

Map Unit Symbol	Map Unit Name
AaC	Aceitunas sandy clay loam, 5 to 12 percent slopes
AcC	Aceitunas clay, 5 to 12 percent slopes
AdF2	Adjuntas clay, 40 to 60 percent slopes, eroded
AgC	Algarrobo fine sand, 2 to 12 percent slopes
AlB	Almirante sandy loam, 2 to 5 percent slopes
AlC	Almirante sandy loam, 5 to 12 percent slopes
AmB	Almirante sandy clay loam, 2 to 5 percent slopes
AmC	Almirante sandy clay loam, 5 to 12 percent slopes
AnB	Almirante sandy loam, 2 to 5 percent slopes
AnC	Almirante sandy loam, 5 to 12 percent slopes
AoD2	Arecibo sandy loam, 2 to 5 percent slopes
AoE2	Arecibo sandy loam, 5 to 12 percent slopes
AoF2	Arecibo sandy loam, 2 to 5 percent slopes
ArC	Arecibo sandy loam, 5 to 12 percent slopes

**Puedes seleccionar
todas las unidades
cartográficas de suelo.**

Select All

Selection Help

Clear Selections

Please select the report that you would like to generate:

Acreage and Proportionate Extent of the Soils

View Description

☐ Include Minor Soils

☐ Include Description

☐ Rich Text Format

Generate Report

See Disclaimer

Select Survey Area

View Metadata

Download Data

Subscribe

In order to view any report, popup blocking must be disabled. In order to view a report in browser must be configured to use a PDF viewer (such as Adobe® Reader® software).



[Commonly Used Soil Properties by Report \(11K\)](#)

This report lists some of the more commonly used soil properties, and the report(s)

También seleccionar una o varias unidades cartográficas, utilizando el botón de "Ctrl" de tu teclado.

Please select the map units that you would like to report on:

Map Unit Symbol	Map Unit Name
AaC	Aceitunas sandy clay loam, 5 to 12 percent slopes
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AnB	Almirante clay, 2 to 5 percent slopes
AnC	Almirante clay, 5 to 12 percent slopes
AoD2	Alonso clay, 12 to 20 percent slopes, eroded
AoE2	Alonso clay, 20 to 40 percent slopes, eroded
AoF2	Alonso clay, 40 to 60 percent slopes, eroded
ArC	Arecibo fine sand, 2 to 12 percent slopes

Select All

Selection Help

Clear Selections

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Acreage and Proportionate Extent of the Soils

View Description

☐ Include Minor Soils

☐ Include Description

☐ Rich Text Format

Generate Report

See Disclaimer

Select Survey Area

View Metadata

Download Data

Subscribe

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AlC	Almirante sandy loam, 5 to 12 percent slopes
AmB	Almirante sandy clay loam, 2 to 5 percent slopes
AmC	Almirante sandy clay loam, 5 to 12 percent slopes
AnB	Almirante clay, 2 to 5 percent slopes
AnC	Almirante clay, 5 to 12 percent slopes
AoD2	Alonso clay, 12 to 20 percent slopes, eroded
AoE2	Alonso clay, 20 to 40 percent slopes, eroded
AoF2	Alonso clay, 40 to 60 percent slopes, eroded
ArC	Arecibo fine sand, 2 to 12 percent slopes

1. Puedes seleccionar el tipo de informe que desees, de los informes preseleccionados (Selected Soil Interpretations).

[Select All](#)[Selection Help](#)[Clear Selections](#)

Please select the report that you would like to generate:

[Selected Soil Interpretations](#)[View Description](#)☐ Include Minor Soils☐ Include Description☐ Rich Text Format

2. Solicita el informe.

[Generate Report](#)[See Disclaimer](#)[Select Survey Area](#)[View Metadata](#)[Download Data](#)[Subscribe](#)

Please select at least 1, but no more than 3 included in your report.

Soil Interpretations

- ☐ ENG - Construction Materials; R
- ☐ ENG - Construction Materials; S
- ☐ ENG - Construction Materials; T
- ☐ ENG - Daily Cover for Landfill
- ☐ ENG - Dwellings W/O Basements
- ☐ ENG - Lawn, Landscape, Golf Fairway
- ☐ ENG - Local Roads and Streets
- ☐ ENG - Sanitary Landfill (Area)
- ☐ ENG - Sanitary Landfill (Trench)
- ☒ ENG - Septic Tank Absorption Fields
- ☐ ENG - Sewage Lagoons
- ☐ ENG - Shallow Excavations
- ☐ ENG - Small Commercial Buildings
- ☐ MIL - Bivouac Areas (DOD)
- ☐ MIL - Excavations Crew-Served Weapon Fighting Position (DOD)
- ☐ MIL - Excavations for Individual Fighting Position (DOD)
- ☐ MIL - Excavations for Vehicle Fighting Position (DOD)
- ☐ MIL - Helicopter Landing Zones (DOD)
- ☐ MIL - Trafficability (veh. Type 1, 1-pass wet season) (DOD)

Selection Help

☐ Include Minor Soils

Report Title (<= 80 characters):

Selected Soil Interpretations

1st Selected Soil Interpretation Column Heading (<= 80 characters):

ENG - Sanitary Landfill (Area)

2nd Selected Soil Interpretation Column Heading (<= 80 characters):

ENG - Sanitary Landfill (Trench)

3rd Selected Soil Interpretation Column Heading (<= 80 characters):

ENG - Septic Tank Absorption Fields

**2. Presiona aquí,
para que obtengas
el informe.**

Generate Report

Cancel

☐ Rich Text Format

Selected Soil Interpretations

Arecibo Area, Puerto Rico Northern Part

Obtendrás el informe solicitado.

[The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

*This soil interpretation was designed as a "limitation" as opposed to a "suitability". The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation.

Map symbol and soil name	Pct. of map unit	ENG - Sanitary Landfill (Area) *		ENG - Sanitary Landfill (Trench) *		ENG - Septic Tank Absorption Fields *	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AcC:							
Aceitunas	100	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Too clayey	0.50	Slow water movement	0.50
				Slope	0.04	Slope	0.04
AdF2:							
Adjuntas	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
				Too clayey	0.50	Slow water movement	0.50
AgC:							
Algarrobo	100	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Too clayey	1.00	Slow water movement	0.82

Puedes seleccionar de los informes individuales ofrecidos.

Acreage and Proportionate Extent of the Soils
Acreage and Proportionate Extent of the Soils by County
Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge
Agricultural Disposal of Wastewater by Irrigation and Overland Flow
Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

Camp Areas, Picnic Areas, and Playgrounds

Chemical Soil Properties
Component Legend
Component Text
Damage by Fire and Seedling Mortality on Forestland
Dwellings and Small Commercial Buildings
Engineering Properties
Forestland Planting and Harvesting
Forestland Productivity
Forestland Site Preparation
Haul Roads, Log Landings, and Soil Rutting on Forestland
Hazard of Erosion and Suitability for Roads on Forestland
Hydric Soils
Irrigated and Nonirrigated Yields by Map Unit
Irrigated and Nonirrigated Yields by Map Unit Component
Irrigated Yields by Map Unit
Irrigated Yields by Map Unit Component
Landfills
Large Animal Carcass Disposal
Map Unit Description
Map Unit Description (Brief)
Map Unit Description (Brief, Generated)
Map Unit Legend
Map Unit Text
Nonirrigated Yields by Map Unit

Camp Areas, Picnic Areas, and Playgrounds

☐ Include Minor Soils

☐ Include Description

☐ Rich Text Format

Generate Report

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Select Survey Area

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View Description

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AoE2	Alonso clay, 20 to 40 percent slopes, eroded
AoF2	Alonso clay, 40 to 60 percent slopes, eroded
ArC	Arecibo fine sand, 2 to 12 percent slopes

Select All

Clear Selections

Solicita el informe.

Please select the report that you would like to generate:

Camp Areas, Picnic Areas, and Playgrounds

View Description

☐ Include Minor Soils

☐ Include Descriptions

☐ Rich Text Format

Generate Report

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Select Survey Area

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Obtendrás el informe solicitado

Camp Areas, Picnic Areas, and Playgrounds

Arecibo Area, Puerto Rico Northern Part

[The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

Map symbol and soil name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value

AcC:

Aceitunas	100	Very limited		Very limited		Very limited	
		Too clayey	1.00	Too clayey	1.00	Too clayey	1.00
		Slope	0.04	Slope	0.04	Slope	1.00

AdF2:

Adjuntas	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Depth to bedrock	0.80
		Slow water movement	0.26	Slow water movement	0.26	Too clayey	0.50
						Slow water movement	0.26

AgC:

Algarrobo	100	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00

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Select All

Selection Help

Clear Selection

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Camp Areas, Picnic Areas, and Playgrounds

View Description

☐ Include Minor Soils

☐ Include Description

☐ Rich Text Format

Generate Report

See Disclaimer

Select Survey Area

View Metadata

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Puedes solicitar una descripción del informe.

Ejemplo de la descripción.

Camp Areas, Picnic Areas, and Playgrounds

The soils of the survey area are rated in this table according to limitations that affect their suitability for camp areas, picnic areas, and playgrounds. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the recreational uses. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils that are subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The information in this table can be supplemented by other information, for example, interpretations for dwellings without basements, for local roads and streets, and for septic tank absorption fields.

"Camp areas" require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas. The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.

"Picnic areas" are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, Ksat, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.



IGUALDAD DE OPORTUNIDADES

El Departamento de Agricultura de los Estados Unidos, USDA por sus siglas en Inglés, prohíbe el discrimen en todos sus programas y actividades por razones de raza, color, origen nacional, edad, incapacidad, y donde aplique, por razones de sexo, estado civil, estado familiar, estado parental, religión, orientación sexual, información genética, creencias políticas, reprimendas, o debido a que parte o la totalidad del ingreso de la persona se derive de cualquier programa público de asistencia. (No todas las prohibiciones aplican a todos los programas). Las personas con impedimentos que requieran métodos alternos de comunicación (Braille, impresos con letras de mayor tamaño, audio cintas, etc.) deberán referirse al Centro TARGET del USDA al (202) 720-2600 (voz y TDD).

Para radicar una querella por discrimen escriba al USDA, Director, Oficina de Derechos Civiles, 1400 Independence Avenue, S.W. Washington, D.C. 20250-9410 o llame, libre de cargos al (800) 795-3272 (voz) o al (202) 720-6382 (TDD).